



SEQUENCE LISTING

<110> Assistance Publique - Hopitaux de Paris (AH-HP)
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<120> Identification of a JAK2 mutation involved in Vaquez
Polyglobulia

<130> D 22707

<140> FR04-11480

<141> 2004-10-27

<160> 31

<170> PatentIn version 3.3

<210> 1

<211> 1132

<212> PRT

<213> homo sapiens

<220>

<223> variant JAK2 V617F

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Phe	Val	His	Gly	Trp	Ile	Lys	Val	Pro	Val	Thr	His	Glu	Thr	Gln	Glu	165	170	175	
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His	Gly	Pro	Ile	Ser	Met	Asp	Phe	Ala	Ile	Ser	Lys	Leu	Lys	Lys	Ala	405	410	415	
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Arg	Thr	Asn	Gly	Val	Ser	Asp	Val	Pro	Thr	Ser	Pro	Thr	Leu	Gln	Arg
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Glu	Val	Leu	Leu	Lys	Val	Leu	Asp	Lys	Ala	His	Arg	Asn	Tyr	Ser	Glu
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Thr	Gly	Asn	Pro	Pro	Phe	Ile	Lys	Leu	Ser	Asp	Pro	Gly	Ile	Ser	Ile
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Thr	Val	Leu	Pro	Lys	Asp	Ile	Leu	Gln	Glu	Arg	Ile	Pro	Trp	Val	Pro
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Trp	Ser	Phe	Gly	Thr	Thr	Leu	Trp	Glu	Ile	Cys	Ser	Gly	Gly	Asp	Lys
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Arg	His	Gln	Leu	Pro	Ala	Pro	Lys	Trp	Ala	Glu	Leu	Ala	Asn	Leu	Ile
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Thr	Glu	Asn	Asp	Met	Leu	Pro	Asn	Met	Arg	Ile	Gly	Ala	Leu	Gly	Phe	820	825	830	
Ser	Gly	Ala	Phe	Glu	Asp	Arg	Asp	Pro	Thr	Gln	Phe	Glu	Glu	Arg	His	835	840	845	
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Val	Lys	Lys	Leu	Gln	His	Ser	Thr	Glu	Glu	His	Leu	Arg	Asp	Phe	Glu	885	890	895	
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 1115 1120 1125

Asn Met Ala Gly
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 <223> G1849T mutation in jak2 gene

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 <211> 554
 <212> DNA
 <213> homo sapiens

<220>
 <223> fragment of SEQ ID NO2 with the G1849T mutation

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 acggtcaact gcatgaaaca gaagtctttt taaaagttct ggataaagca cacagaaact 180
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 aatttggatc actagataca tatctgaaaa agaataaaaa ttgtataaat atattatgga 360
 aacttgaagt tgctaaacag ttggcatggg ccatgcattt tctagaagaa aacaccctta 420
 ttcattgggaa tgtatgtgcc aaaaatattc tgcttatcag agaagaagac aggaagacag 480
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 acattcttca ggag 554

<210> 4
 <211> 94
 <212> DNA
 <213> homo sapiens

<220>
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 <213> artificial sequence

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 <223> PCR primer (54804-54823)

<400> 5
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<212> DNA
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<220>
<223> PCR primer (55240-55260)

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<210> 7
<211> 20
<212> DNA
<213> artificial sequence

<220>
<223> sequencing primer (54813-54832)

<400> 7
cagaacggtg atggcagttg 20

<210> 8
<211> 27
<212> DNA
<213> artificial sequence

<220>
<223> sequencing primer (55207-55233)

<400> 8
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<210> 9
<211> 21
<212> DNA
<213> artificial sequence

<220>
<223> PCR and sequencing primer (1386-1407)

<400> 9
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<210> 10
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<223> PCR and sequencing primer (2019-2041)

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23

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<211> 42

<212> DNA

<213> artificial sequence

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<223> SNPS probes and detection of mutation and siRNA (1829-1870)

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<211> 23

<212> DNA

<213> homo sapiens

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<223> sequence comprising the G1849T mutation

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23

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<212> DNA

<213> homo sapiens

<220>

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<222> (20)..(21)

<223> n is T

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<223> sense siRNA

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<222> (20)..(21)

<223> DNA portion of combined DNA/RNA sequence

<400> 13

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21

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<212> DNA

<213> homo sapiens

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<220>

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21

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<220>

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21

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<213> artificial sequence

<220>

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21

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<223> "Sensor wt"

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25

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